

IN THE CLAIMS

CLAIM 1 (Currently Amended) A computer program product for providing a composition service for invocation in a web server environment to format messages using specified JSP files, the web server comprising an adapter process for accepting and responding to non-HTTP requests, the computer program product comprising a computer usable medium having computer readable code means embodied in said medium, comprising computer readable program code means for implementing the composition service,

the composition service comprising a first execution path selectable when the composition service is invoked in response to an HTTP request in which first execution path the specified JSP files are executed directly in the web server environment,

the composition service comprising a second execution path selectable when the composition service is invoked in response to a non-HTTP request, in which second execution path a JSP execution method is identified for the specified JSP files and in which the specified JSP files are executed in accordance with the identified execution method, the identified JSP execution method further comprising the generation of an HTTP request to the web server to execute the specified JSP files.

CLAIM 2 (Canceled)

CLAIM 3 (Original) The computer program product of claim 1 in which the JSP execution method comprises a direct call to the servlet runtime in the web server with an object built by the composition service corresponding to the specified JSP files.

CLAIM 4 (Original) A method for invoking JSP formatting for messages generated in response to a non-HTTP request made to a web server, the method comprising the following steps:

- a) creating an adapter process for accepting non-HTTP requests,
- b) the adapter process accepting the non-HTTP request, the request relating to a message defined by specified JSP files,
- c) the adapter process generating an HTTP request to the web server corresponding to the specified JSP files,
- d) the web server responding to the HTTP request by executing the specified JSP files and returning a JSP-formatted message to the adapter process, and
- e) the adapter process returning the JSP-formatted message in response to the non-HTTP request.

CLAIM 5 (Original) The method of claim 4 in which the adapter process implements the step of generating an HTTP request to the web server, using a composition service available to format messages in response to both HTTP and non-HTTP requests.

CLAIM 6 (Original) A computer program product for invoking JSP functionality for non-HTTP requests, the computer program product comprising a computer usable medium having computer readable code means embodied in said medium, comprising computer readable program code means for carrying out the method steps of claim 4.

CLAIM 7 (Currently Amended) A computer system for formatting messages using JSP files in a web server environment, the system comprising a web server, an adapter for accepting and responding to non-HTTP requests, and a composition service callable from the adapter, the composition service comprising

a first execution path selectable when the composition service is invoked in response to an HTTP request in which first execution path the specified JSP files are executed directly in the web server environment, and

a second execution path selectable when the composition service is invoked in response to a non-HTTP request, in which second execution path a JSP execution method is identified for the specified JSP files and in which the specified JSP files are executed in accordance with the identified execution method, the identified JSP execution method further comprising the generation of an HTTP request to the web server to execute the specified JSP files.

CLAIM 8 (Canceled)

CLAIM 9 (Original) The computer system of claim 7 in which the JSP execution method comprises a direct call to the servlet runtime in the web server with an object built by the composition service corresponding to the specified JSP files.

CLAIM 10 (Original) The computer program product of claim 6 wherein said computer readable code comprises a computer readable signal and said medium comprises a computer readable signal bearing medium.

CLAIM 11 (Original) The computer program product of claim 10 wherein said medium is a recordable data storage medium.

CLAIM 12 (Original) The computer program product of claim 10 wherein the medium is a modulated carrier signal.

CLAIM 13 (Original) The computer program product of claim 12 wherein the signal is a transmission over a network.

CLAIM 14 (Original) A computer program comprising computer program code means adapted to perform all the steps of claim 4 where said program is run on a computer system.